

Experiment Number: 20213 - 02

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 03/20/2012

Test Type: 39-WEEK

Abrasive blasting agents (blasting sand)

Time Report Requested: 13:33:37

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: BLASTINGSAND

First Dose M/F: 04/20/09 / NA

Species/Strain: RATS/HSD

Lab: BNW

F1_39 Wk. Core

NTP Study Number: C20213

Lock Date: 08/17/2010

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC

Removal Date Range: 01-Jan-2007 - 31-Dec-2011

Treatment Groups: Include ALL

Study Gender: Male

TDMSE Version: 2.6.0.0_007

PWG Approval Date: NONE

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Harlan Sprague Dawley RATS MALE

Control

15 mg/m3

30 mg/m3

60 mg/m3

Disposition Summary

Animals Initially In Study

62

62

62

62

Early Deaths

Survivors

Terminal Sacrifice

8

8

8

8

Animals Examined Microscopically

8

8

8

8

ALIMENTARY SYSTEM

Intestine Small, Ileum

(8)

(8)

(8)

(7)

Intestine Small, Jejunum

(8)

(6)

(7)

(7)

Liver

(1)

(0)

(0)

(0)

Hepatodiaphragmatic Nodule

1 [4.0]

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Testes

(0)

(0)

(1)

(0)

Bilateral, Atrophy

1 [4.0]

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b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Harlan Sprague Dawley RATS MALE	Control	15 mg/m3	30 mg/m3	60 mg/m3
HEMATOPOIETIC SYSTEM				
Lymph Node	(0)	(1)	(0)	(1)
Lumbar, Infiltration Cellular, Histiocyte				1 [1.0]
Lumbar, Pigmentation				1 [1.0]
Lymph Node, Bronchial	(7)	(5)	(7)	(8)
Fibrosis				2 [1.0]
Foreign Body		3	6	7
Infiltration Cellular, Histiocyte		3 [1.7]	6 [1.3]	7 [2.1]
Lymph Node, Mediastinal	(7)	(8)	(8)	(8)
Fibrosis		1 [1.0]	1 [2.0]	2 [2.0]
Foreign Body		8	8	8
Infiltration Cellular, Histiocyte		8 [3.0]	8 [4.0]	8 [4.0]
Necrosis				1 [1.0]
Pigmentation	1 [2.0]			
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
Larynx	(8)	(8)	(8)	(8)
Epiglottis, Metaplasia, Squamous		1 [1.0]	1 [1.0]	1 [1.0]
Lung	(8)	(8)	(8)	(8)

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Foreign Body		8	8	8
Infiltration Cellular, Histiocyte	4 [1.0]	8 [1.5]	8 [2.4]	8 [3.0]
Inflammation, Chronic Active	2 [1.0]	8 [1.0]	8 [1.1]	8 [1.6]
Metaplasia, Osseous		2 [1.0]		
Proteinosis				6 [1.3]
Alveolar Epithelium, Hyperplasia		8 [1.0]	8 [2.0]	8 [2.0]
Alveolar Epithelium, Hyperplasia, Focal				1 [4.0]
Interstitial, Fibrosis		8 [1.0]	8 [1.0]	8 [2.0]
Nose	(8)	(8)	(8)	(8)
Olfactory Epithelium, Accumulation, Hyaline Droplet	8 [1.6]	8 [3.1]	8 [3.5]	8 [3.4]
Olfactory Epithelium, Metaplasia, Respiratory				1 [1.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet	6 [1.0]	8 [1.0]	8 [1.3]	8 [1.0]
Trachea	(8)	(8)	(8)	(8)
SPECIAL SENSES SYSTEM				
Lacrimal Gland	(1)	(0)	(0)	(0)
URINARY SYSTEM				
None				

*** END OF REPORT ***

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